

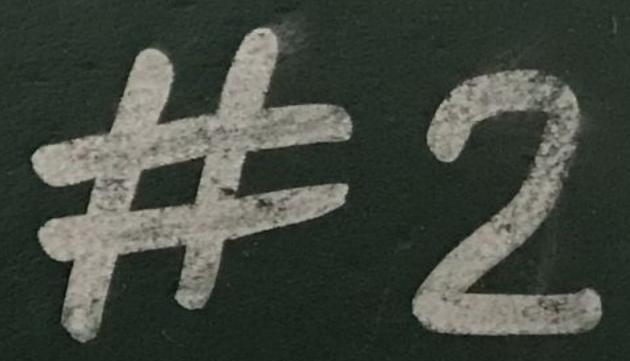
### EMERGENCY BATTERY REPLACEMENT

Affix this label in aircraft logbook

Recommended battery replacement 3 years from date of manufacture. Order replacement battery from Mid-Continent Instruments and Avionics at (800) 821-1212.

Date of Manufacture: 10/16







ASA-SA-2

The Standard Aircraft Log SA-2

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Printed in Canada





### Aircraft Record General Information

Manufacturer CESSNA	Model
Serial	Registration Number N 53061
Date of Manufacture	

## Engine(s) currently installed:

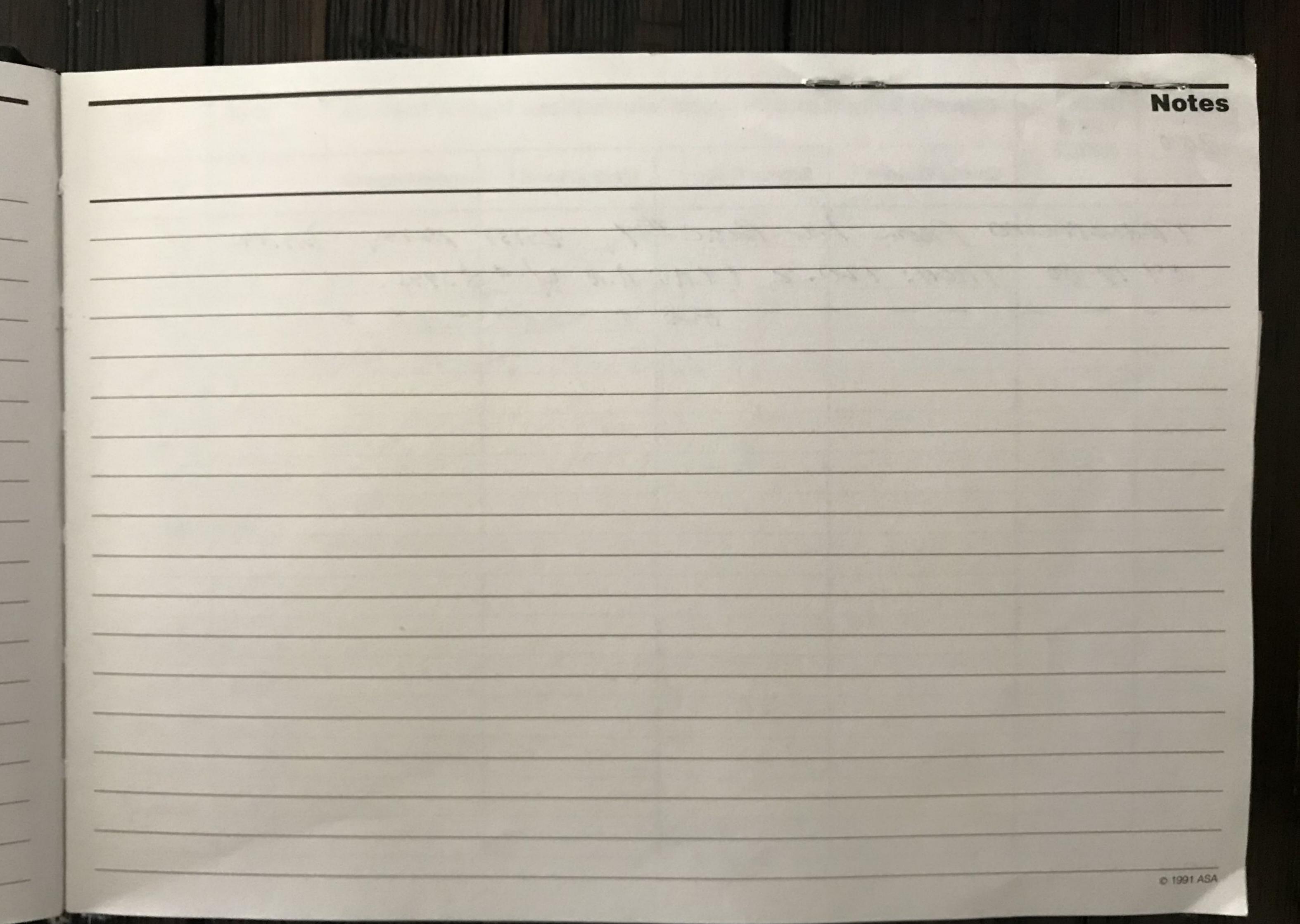
Manufacturer Ly Coming	Model ID - 360 - AIB6D	Serial 1-18740-51A
Manufacturer	Model	_ Serial

# Propeller(s) currently installed:

Manufacturer McCancky	Model	B2D034C207	
HUB Model	Serial 822097	Serial	
Blade Model 678 TCA - 0	Serial CF 494	Serial CF5/3	Serial
Blade Model	_ Serial	Serial	_ Serial

# Registered Owner Record

		Address
Name	State	FromTo
City		Address
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City	State	
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DATE TOTAL TIME IN SERVICE		Current Weight and Balance Information							
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	222	N. HAYES ST. TEHA	ACHAPI, CA 93561	(805) 822-8153	ION,				
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	O I C	TALD		FAA REPAIR	STA #MH7R6023				
					MH22A				

DATE	TOTAL	Current Weigh	t and Balance I	nformation	
DATE	TIME IN				
2000	SERVICE	Empty Weight	Empty C.G.	Useful Load	Remarks
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7	challe, 11-	201-20-03	by 120gs. 76.	09-06 6 100	5591356642A
			04	Her.	559155667-0 1992 ASA

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DATE 19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
			Ste	ven Calkins Aircraft Services 3117 Victoria Way
				Bakersfield, CA 93309
2.0				Cessna 177RG S/N 177RG-1334
(ga				IO360A1B6D, S/N L-18740-51A Cauley B2D034-C207, S/N 822097
			OP TITE	
(13				
100			5 ACTT 158	85.0 Eng TT 1585.0 SPOH 349.0
			5 ACTT 158	
		n cabin do	5 ACTT 158	85.0 Eng TT 1585.0 SPOH 349.0
	Replaced both	n cabin do	5 ACTT 158	85.0 Eng TT 1585.0 SPOH 349.0 ijusted door latches as required, repaired L/H cowl flap cable.
5-25-01	Replaced both	n cabin do	5 ACTT 158	Steven L. Calkins A&P511707653
5-25-01	Replaced both ( W/O #0463)	n cabin do	5 ACTT 158	Steven L. Calkins A&P511707653  [ustelled 5-7ec System 30 ALT Altitud Hold 14/2 System 1841
	Replaced both ( W/O #0463)	n cabin do	5 ACTT 158 or seals, read	Steven L. Calkins A&P511707653  [ustelled 5-7ec System 30 ALT Bititude Hold Apsyrtom Law STC. SA09336 AC-D- See 357 Dates 05-26-01 Crabe Mar.
	Replaced both ( W/O #0463)	a cabin do	5 ACTT 158 or seals, read	Steven L. Calkins A&P511707653  [USHolled 5-Tec System 30 ALT Altitude Hold A/P System 1000 Steven L. SA 09336 AC-D- See 357 do to 05-26-01 Conduction April 123725 859 1/4
5-25-01	Replaced both (W/O #0463)	n cabin do	5 ACTT 158 or seals, read	Steven L. Calkins A&P511707653  [USHolled S-Tec System 30 ALT Bititude Hold Alpsystem 1000 Steven L. Sa 09336 AC-D- See 357 Dates 05-26-01 Conductions  [AZP 723723859=16]
	Replaced both (W/O #0463)	a cabin do	5 ACTT 158 or seals, read	Steven L. Calkins A&P511707653  [Ustabled 5-70c System 30 ALT Bititude Hold [Psystem 100]  Sec. SA09336 AC-D- 22357 80 to 05-26-01 Code Mar.  [Azf 723725859=1/A
	Replaced both (W/O #0463)	a cabin do	5 ACTT 158 or seals, read	Steven L. Calkins A&P511707653  [USHolled S-Tec System 30 ALT Bititude Hold Ale System 1000 Steven L. Sa 09336 AC-D- See 357 Dates 05-26-01 Contents  AZP 723723859=10
	Replaced both (W/O #0463)	a cabin do	5 ACTT 158 or seals, read	Steven L. Calkins A&P511707653  [ustabled 5-7ec System 30 ALT Bititude Hold [Psystem 1020]  Sec. SA09336 AC-D- 2=357 dates 05-26-01 Code Mar.  [Azf 723725859=1/A

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Entrine must be on	Inspections, Tests, Repairs and Alterations dorsed with Name, Rating and Certificate Number of air Facility. (See back pages for other specific entries.)
	October Tach 184		001	N53061	
		riggi: dance	ngs as r with Ce		
CE	SSNA PILOTS P.O. BOX NTA MARIA,	ASSOC 5817 CA 93450	AP5649	8-24/2	

# US Department of Transportation

# (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only Office Identification

Administration
Administration
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 and disposition (Section 901 Federal Aviation Act of 1958).

	Make Cessna			Model 177RG	
raft	rial No.			Nationality and Registration Mark	
	RG1				一年 一
-	Name (As shown on Paulm Corp	registration certificate)		Address (As shown on registration cer 3511Silverside Rd. STE Wilmington DE 19810-49	tificate) 105 02
			3. For FAA Use Only	ly	
			4. Unit Identification	2	5. Type
Unit	Ma	Make	Model	Serial No.	Repair Alteration
IRFRAME		(As de	sscribed in Item 1 above	(0)	×
OWERPLANT					
ROPELLER					- "
ANCE	Type				
			6. Conformity Staten	ient	
Agency's Na	Name and Address		B. Kind of Agency	C. Ce	rtificate No.
iel Uhl	ik 1212 Airp	ort Drive	X U.S. Certificated Mechanic Foreign Certificated Mechanic	anic 5591 echanic	35664
	Del	lano Ca 93215	Certificated Repair Station	air Station	
I certify that the have been made furnished herein	nat the repair n made in acc herein is true	and/or alteration made to the unit(s) identified in item 4 above and described or ordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and correct to the best of my knowledge.	s) identified in item 4 a vart 43 of the U.S. Fede	the reverse and that the	or attachments hereto information
			Signature of Authorized Individual	1	
nuary 1	16 2002		1		
		7. AF	pproval for Return To Service	Service	
Pursuant to the Administrator of	authority the Fede	given persons specified below, the ur eral Aviation Administration and is	unit identified in item 4 w xd APPROVED	ted in the m REJECTED	y the
FAA Fit. 8 Inspector	Fit. Standards	Manufacturer	Inspection Authorization	tion Other (Specify)	
FAA	Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	Transport ss Group	
of Approval or Rennary 16 20	al or Rejection 16 2002	Certificate or Designation No. 559135664	Signature of Authorized Individual	sed Individual	
-	1				

# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Separators, M-20 Oil Sep balance is n on January ary 16 2002 The following work wars, LLC Model 300 oil separator Separators Dated 7/1/99, revise is negligable. rator in accordance revised 6/14/2001. completed on N53061. with Installation instructions STC SA02033AT. The weight and H installed M20

-END-

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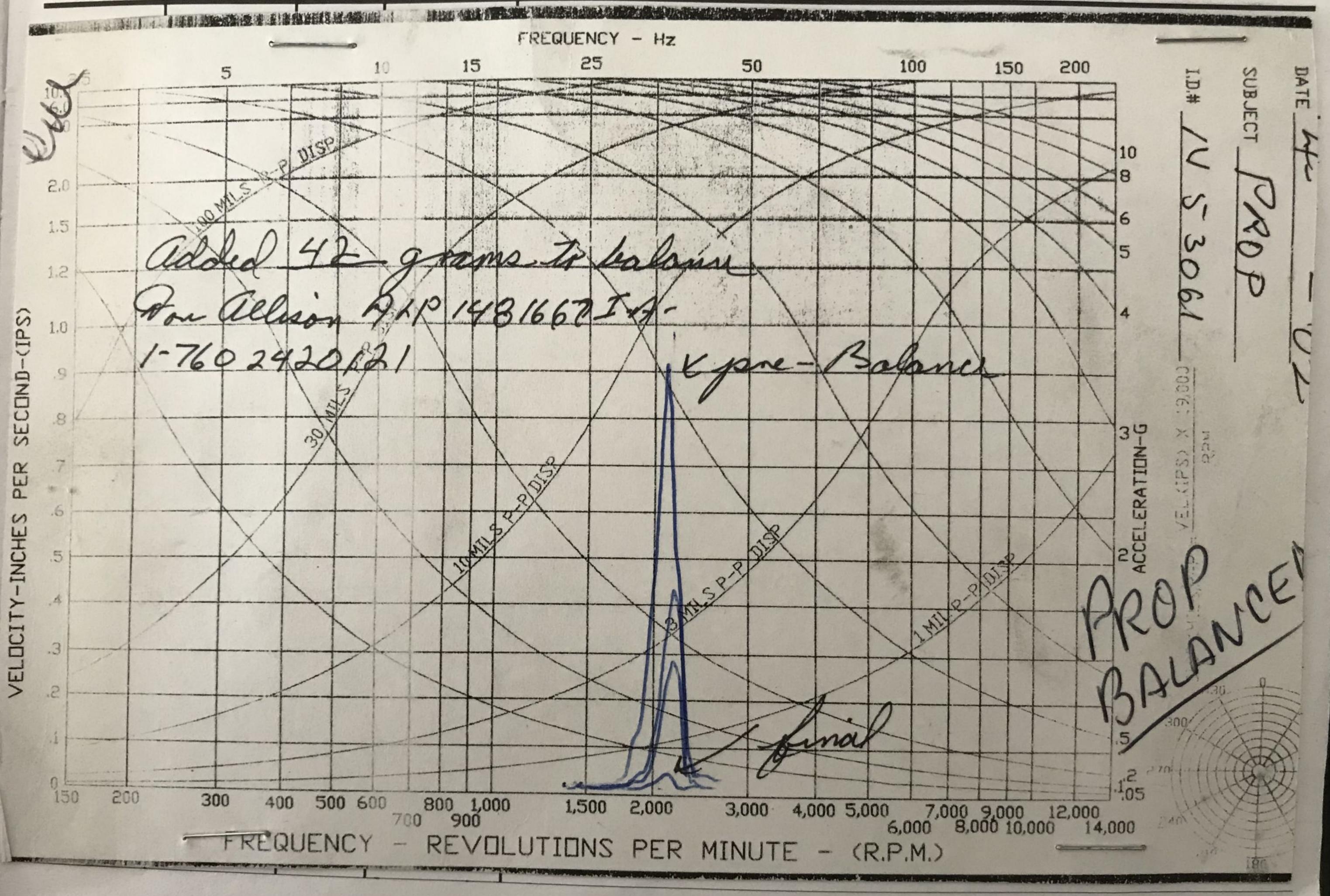
Additional Sheets A

\* U.S.G.P.O. 1990-761-753

DATE 2002	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			4/03/02	INSTALLED NEW GILL G 242 BANTERY
				CLEANED CORROSION FROM BANGRY BOX
				+ TERMINALS - PAINT BANERY BOX
			4/11/02	INSTALLED (NEW VOLTAGE REGULATOR)
-8				VR 500-0102
				BAKERSFIELD AVIATION SERVICE
*				
-				
1				
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© 1991 ASA				

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DATE	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			TTS	SN-1634.3 DATE Sept. 6 2002
			TAC	C-213.3 raft inspected for compliance with Type
		Th	is aircr	raft inspected for compliance with Type -
		Ce	rtificat	te Data and the Operating Manual for this_
				The ELT was inspected in accordance
		Wi	th FAR F	Part 91.207D. The ELT battery is due
		A CONTRACTOR OF THE PARTY NAMED IN	June/20	
		THE RESERVE AND PARTY AND PARTY AND	and the same of th	that I have inspected this aircraft in
		Contraction of the last of the		e with FAR Part 43 Appendix D annual
				n and find it to be in airworthy -
				at this time and approve it for return
			service	
				Daniel Uhlik Á&P 559135664 IA

		MARKURIA				
DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Entries must be	of Inspections, Tests, Reendorsed with Name, Rating a Repair Facility. (See back pages	and Certificate Number of
8-12-03	N5306	1	Hobbs-30.4	Tach-238	Serial # 177RG1334	
Hydraulic p	ower pack, s	erviced B	O0hr inspection attery Replace this timeen	ed ELT battery ne	er Diaz A&P 609206270	ual, serviced his aircraft airworthy
				В	en Diaz A&P 609206270	
Aug. 12, 2003	3	Aircraft T	otal Time -	1659.3 hrs.	Tach Time - 238.3	N53061
			20-03 R2 72-03-03	, complied with R3 & AD 76-04	D's (previously complied with per AD instructions and no -03 both N/A – due to aircra	visible defect noted, AD aft serial no. This airplane
					be safe for return to service	

5-13-04

Tach time-249.3

N53061

Airframe

Repaired broken wire on nose gear down and lowek switch, opps check ok. Removed and balanced left main wheel. Washed exterior of aircraft. I find this aircraft airway and suitable for return to service at this time.

Ben Diaz A&P609206270

Arnulfo A. Domondon, AP 1946639 IA

DATE  19	RECORDING TACH TIME	TODAYS FLIGHT TIME IN SERVICE			ID ENTING ONA	airs and Alterations Certificate Number of r other specific entries.)
5-13-0	4 Tac	ck time-249.3	N53061	Engine		-
check	ok. Serviced e	ngine oil with 8 q	r after overhaul (sets of aeroshell 100 rvice at this time-en	Den 1	oil filter. I find	this engine —
DATE	TACH	N530	061 CESSI	VA CARDINAL	11 RG-	SIN 177 RG-1334
5-14-04	0250.9	PART NO. AND PAR ALL WORK SERVICE SATISFA	LW12347 W TNO. MS 914 COMPLETED INSTRUCTION CTORY.		S PART A PROPE EXATIONAL	Jo. SL72053 ELLER GOVERNOR. FEXTRON LYCOMING. CHECK

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
earings and AW instru	Airframe IAV d replaced en	gine air fi	lter pn BA57	Tach time-260.3  sion-X to wings and fuselage where needed. Repacked all wheel 05. Removed EDM 700 for repair by JP instruments. Reinstalled med, check ok. I find this aircraft airworthy and suitable for return  Ber Diaz A&P609206270
ept. 10, 20	004	Reg. No.	cor	Total Time – 1681.3 hrs. Tach Time – 260.3 hrs.  ecked all applicable AD up to 00-06-01and recurring AD 87-20-03 R2 inplied with per AD instruction, no defect/damage noted. This air- ine has been inspected in accordance with an Annual Inspection and
			fou	A. Domondon, AP 1946639 IA
				© 199

7	3				
	DATE	RECORDING TACH	TODAYS	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
	19	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
	09-21-05		Aircraf	t Total time-	1707.8 Tach time-286.8 Reg # N53061
-		1 1 1.	A and via	ht main whe	el bearings and races IAW MM. Replaced left and right main wheels
-	Removed a	nd replaced le	nhy tires	and 15/600-	6 tubes. Repacked nose and main wheel bearings prior to
	and tubes w	n Domoved	and renla	ced main lan	ding gear hydraulic hoses p.n. 111V417-4S0104 (2ea.) and nose
1	bydroulic lin	n. Removed	001-4CR	0134 and 124	V001-4CR0150. Performed gear retraction test five times without
	any problem	s leak check	ok Ser	viced hydraul	ic power pack IAW MM serviced left and right brake reservoirs IAW
	MM Check	ed and adjus	ted cable	tensions IAV	W MM. Removed and replace stabilator control cable p.n. S378-3L
	IAW MM.	Removed and	replaced	d right landin	g light p.n. GE 4591 and three GE 327 lights on the instrument panel.
	Replaced elt	battery next	due Nov	. 2007. Rem	oved and replace engine air filter pn BA 5705. Washed aircraft and
	returned to s	ervice. I find	this airc	craft airworth	y and suitable for return to service at this time.
					Ben Diaz A&P 609206270
					Ben Diaz A&P 609206270
	1		I		
	09/21/2005			Aircraft Total	Time - 1707.8 hrs. Tach Time - 286.8 hrs Reg. No. N53061
				This airplane	has been inspected in accordance with an Annual Inspection and it was deter-
				mined to be	safe for service this date 09/21/05. Checked all applicable AD's, and recurring
				R3 76-04-03	R2, inspected per AD instructions – no visible defects noted and AD 72-03-03 3, 89-19-11 all N/A – by serial number.
				7,0,700,0	Oh. as Im
		1			A. Domondon, AP 1946639 IA
					A. Domondon, AP 1940039 IA

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Entries must be ende	orsed with Name, R	ts, Repairs and Alterations ating and Certificate Number of pages for other specific entries.)
Oct. 17, 20	06		Aircraft Total	Time - 1723.9 hrs.	Tach Time - 302.9	hrs Reg. No. N53061
			to be safe fo	has been inspected in ac r service this date 10/17/0 r AD instructions, still with	in service limit.	Julian Inspection and it was determined able AD's, & recurring AD 87-20-03R's  Julian Som or John Domondon, AP 1946639 IA
11-20	0.7	A	irframe entry	N53061		3 tach -313.1
filed warn tested	at this time. Ring unit part null and found to	emoved a umber # 1 be function	and replaced in 270733-1, un oning after in	stallation. Serviced ba	th 500-5 air hawk to electronics for rep ttery at this time an	ire. Removed dual pair this date. Unit was
Remo	oved and repla	ced ELT	battery with n	new bp 1030 next due	en Diaz A&P 6092	06270

© 1991 ASA

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
Nov. 20, 20	This a return	irplane has to service ing AD's 72	UIC GGG IIIZU	ted in accordance with an Annual Inspection and it was determined to be safe for 0/2007. Checked all applicable AD's, found to be previously complied with and 6-04-03. 86-19-11 all N/A by aircraft paried no. AD 97-09-09-79-1
instrum and sp	ated airframe n- RA-D-18- nent panel pn-	controls 1 filter, ar - S2519-2 match at t	and pulleys, and vacuum re Cleaned co	Cleaned out debris in bell area at this time. Installed new gyro egulator pn- B3-5-1. Removed and replaced high voltage light on orrosion off exterior wings and fuselage where needed, primed eaned and treated corrosion where able to in wing areas, alodined end-  Ben Diaz A&P 609206270

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Aircraft TT – 1744.5 hrs. Tach Time – 323.5 hrs. Serial No. 177RG1334 Reg. No. N53061  Removed ELT Model 3000-11, Transmitter, Tray, Antenna and Remote Switch and on its existing locations installed ELT Model ME406/453-6603 (Serial No. 188-00334 and Battery due replace – Dec. 2013) Transmitter, Tray, Antenna, Remote Switch and installed Buzzer near ELT Unit. This airplane (Cessna – 177RG) has been inspected in accordance with an Annual Inspection and it was determined to be safe for service this date 02/09/09. Checked all applicable ADs, found to be previously complied with and recurring AD 87-20-03 R2, Inspected seat tracks per AD no visible defect noted this time.  MAKE: Cessna MODEL: 177RG SN: 177RG1334 P.O. Box 60307  A. Dormondon, 1946639 IA  MAKE: Cessna MODEL: 177RG SN: 177RG1334 P.O. Box 60307  A. Dormondon, 1946639 IA  MAITTAINE Entries  (1) Removed and Replaced battery with new battery P/N G242, voltage check satisfactory (2) Polished spinner.  Maintenance Release The aircraft and/or component(s) identified above was reppired and inspected in accordance with current FARs rules of the Federal Avisition Regulations and was found ok for return to service. "Portinent details of the repair are on file under Work Order No. listed above.  DATE: 9/14/2009  ARTE: 9/14/2009  ARTE: 9/14/2009  ARTE: 9/14/2009  ARTE: 9/14/2009	DATE  19		ODAYS TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs Entries must be endorsed with Name, Rating and Cer Technician or Repair Facility. (See back pages for oth	white - 1 hi			
MAKE: Cessna MODEL: 177RG SN: 177RG1334 REG. NO: NS3061 WORK ORDER: 03981-09-2009  Airframe Entries  (1) Removed and Replaced battery with new battery P/N G242, voltage check satisfactory (2) Polished spinner.  Maintenance Release The aircraft and/or component(s) identified above was repaired and inspected in accurrance with current FARs rules of the Federal Aviation Regulations and was found ok for return to service. "Partinent details of the repair are on file under Work Order No. listed above.	Feb. 9, 2009	Removed E.  Model ME40  Switch and it  Annual Inspe	ELT Model 3000-11, 406/453-6603 (Serial installed Buzzer nea pection and it was de	Transmitter, Tray, Antenna and Remote Switch and on its existing location of the No. 188-00334 and Battery due replace — Dec. 2013) Transmitter, Tray, are ELT Unit. This airplane (Cessna — 177RG) has been inspected in acceletermined to be safe for service this date 02/09/09. Checked all applicable decurring AD 87-20-03 R2, Inspected seat tracks per AD no visible defect in the No. 188-00334 and Battery due replace — Dec. 2013) Transmitter, Tray, are ELT Unit. This airplane (Cessna — 177RG) has been inspected in acceletermined to be safe for service this date 02/09/09. Checked all applicable defect in the No. 188-00334 and Battery due replace — Dec. 2013) Transmitter, Tray, are ELT Unit. This airplane (Cessna — 177RG) has been inspected in acceletermined to be safe for service this date 02/09/09. Checked all applicable defect in the No. 188-00334 and Battery due replace — Dec. 2013) Transmitter, Tray, are ELT Unit. This airplane (Cessna — 177RG) has been inspected in acceletermined to be safe for service this date 02/09/09. Checked all applicable defect in the No. 188-00334 and 189-00334 and 1	tions installed ELT V, Antenna, Remote cordance with an			
MODEL: 177RG S/N: 177RG1334 P.O. Box 803081 Bakersfield, CA 93380 WORK ORDER: 03981-09-2009  Airframe Entries  (1) Removed and Replaced battery with new battery P/N G242, voltage check satisfactory (2) Polished spinner.  Maintenance Release The aircraft and/or component(s) identified above was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found ok for return to service. "Partinent details of the repair are on file under Work  DATE Of these				71. Domondon, 1340003 IA				
The aircraft and/or component(s) identified above was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found ok for return to service. "Pertinent details of the repair are on file under Work Order No. listed above.  DATE: 0/4 // 2009		MODEL: 177RG S/N: 177RG1334 REG. NO: N53061 WORK ORDER: 03981-09-2009  Airframe Entrie (1) Removed an	P.O.Box 80307 Bakersfield, CA 9338 Phone: 661-393-0937	A/C TSN: 1752 TACH: 331				
Printed by EBis 3 (datcomedia.com)		The aircraft and/or component(s) identified above was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found ok for return to service. "Pertinent details of the repair are on file under Work Order No. listed above.  DATE: 9/14/2009  SIGNED:  Work Order: 03981-09-2009						

Description of Inspections, Tests, Repairs and Alterations DATE RECORDING TOTAL **TODAYS** Entries must be endorsed with Name, Rating and Certificate Number of TACH FLIGHT TIME IN Technician or Repair Facility. (See back pages for other specific entries.) SERVICE TIME N53061 Serial # 177RG1334 Tach time-329.3 2-18-10 Airframe

Complied with Service bulletin SEB 89-1 Rev 3 by installation of new steel brackets pn's 1732063-1, 1732063-2, 1732064-1, 1732064-2. Installed using bolts pn HL18PB6-4, -5 and collars pn-HL70-6. Prior to re installation of stabilator bushing pn- 1712156-1 were removed and replaced due to wear on the left and right hand attach point on the fuselage. Stabilator was re installed using new bolts pn- NAS6606D17 at this time, rigging was checked IAW MM. Replaced shimmy damper piston rod due to wear at this time, pn-2043014-9. Shimmy damper was cleaned, inspected, and all seals were replaced at this time. Removed and replaced left and right hand cowl flight cable pn-S1391-27 and mcs1391-27. Removed and replaced spindle bolts for the nose gear bungee and the steering damper pn-2043024-1 replaced clevis pins pn-MS20392-3C17. Replaced bumper pad on the nose landing gear assembly pn-2043006-24. Removed and replaced windshield pn-W-2150-187, pilot door window pn-W2148-LH, co pilot window pn-W-2148-RH and door vent windows pn-W-1026 on the left and right hand side. Replaced center pedestal cover pn-K2013065-1. Removed and replaced left and right hand flexible brake lines due to wear, pn-S1810-600. Removed left and right hand gear leg assemblies in order to replace o rings on the upper swivel fittings. Re installed gear legs IAW MM, performed gear retraction test, check ok. Serviced brake reservoirs with mil-5606 hydraulic fluid, and bled brakes IAW MM. Installed Cardinal 177 RG landing gear motor LED kit IAW installation instructions, Form337 filed this date. -

Ben Diaz A&P 609206270

Feb. 18, 2010

end-

Aircraft TT - 1750.3 hrs.

Tach - 329.3

Reg. No. N53061

Serial No. 177RG-1334

This airplane (Cessna 177RG) has been inspected in accordance with an Annual Inspection and it was determined to be safe for service this date 02/18/10. Inspected ELT in accordance with FAR 91.207 (D). Checked and found all applicable ADs were previously complied with. Recurring AD 87-20-03 R2, inspected seat tracks and pins per AD note, no visible defect noted and still within serviceable limit.

A. Domondon, 1946639 IA

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DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certific Technician or Repair Facility. (See back pages for other seconds)	ate Number of
	Date:5/20/2 N53061 s/n 177RG1			Aviation Tach: 340.7  h Ave SE Acr 1761.7  MN 56304	
	Installed end STC SA109 this date.	gine Lycol 44SC see	ming IO-390 EAA Form	-A1A6 s/n RL-191-80E per ALMO 337 and Aircraft Weight and Balance	
		1	11/10	Daren M Carlson IA470526948	
					0 19

**Instructions for Continued Airworthiness** 

McFarlane Aviation Inc. FAA-PMA Part Number MC2016021-4 Fuel Reservoir Plunger

FAA PMA Number: PQ3732CE FAA Project Number: PM5303WI-A

INTRODUCTION

This document is intended to provide for the continued airworthiness of McFarlane Aviation, Inc. Part Number MC2016021-4 Fuel Reservoir Plunger. It is specifically concerned with the elimination of P/N 2391-2 Washer and P/N 5103-25MF Snap Ring when P/N MC2016021-4 is installed. For all items not related to the altered MC2016021-4 installation, refer to the basic airplane model service and parts manuals.

N53061

SYSTEM DESCRIPTION

Cessna Model 177RG/F177RG aircraft incorporate a reservoir tank which serves as an in-line condensate trap.

P/N 2016021-9 is a drain valve attached to this tank. The main component of this valve is a plunger, P/N 2016021-4. McFarlane Aviation, Inc. P/N MC2016021-4 is a direct PMA replacement for Cessna P/N 2016021-4.

P/N MC2016021-4 differs from the OEM part in that a) it employs an elastomer tip with greater fuel resistance than the OEM part and b) it features an integral surface for the spring, eliminating the snap ring and washer.

SPECIAL OPERATING INFORMATION

The control and operation of the fuel reservoir tank drain valve does not change with the installation of the new plunger assembly; see Cessna Model 177RG Service Manual Section 12 for the operational control of this system.

PART REMOVAL, REPLACEMENT, AND SERVICE INFORMATION

Refer to the Cessna Model 177RG Service Manual for installation/maintenance instructions and the Cessna Model 177RG Illustrated Parts Catalog for component part numbers. The following exception applies:

Washer (P/N 2391-3) and Snap Ring (P/N 5103-25MF) are NOT used when installing McFarlane P/N MC2016021-4.

TROUBLESHOOTING

Fuel reservoir tank drain valve malfunctions that may be indicative of a defective, damaged, or overly worn P/N MC2016021-4 plunger include:

- Fuel leaking from drain when valve is in the "off" position
- Fuel leaking from valve cap
- Weak flow from drain valve.

If any of the above malfunctions occur, remove and inspect the MC2016021-4 plunger. If the problem is attributed to the plunger, it must be replaced.

PLACARDS

None applicable

DATA

All information to support the continued airworthiness of this modification is as defined herein and contained in:

- Cessna Model 177RG Service Manual
- Cessna Model 177RG Illustrated Parts Catalog

INSPECTION

McFarlane Aviation, Inc. P/N MC2016021-4 is only inspected during removal and must be replaced if any signs of damage or wear are seen.

RECOMMENDED OVERHAUL PERIODS

No additional overhaul time limitations exist with the use of this part.

AIRWORTHINESS LIMITATIONS

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sec. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved. No additional airworthiness limitations exist.

**ASSISTANCE & REVISIONS** 

Revisions to this ICA may not be distributed without prior FAA acceptance. Once an ICA revision is accepted by FAA, it shall be distributed to all registered owners by either U.S. mail or via internet email at the election of the PMA holder. The PMA holder shall retain a list of all registered owners. This list shall be made available to FAA for any Continued Operational Safety issues (Airworthiness Directive, etc.) that arise concerning this PMA. For questions or assistance regarding these Instructions for Continued Airworthiness (ICA), contact the Wichita Aircraft Certification Office at 316-946-4100, or by mail at 1801 Airport Road, Room 100, Wichita, KS 67209

Information from drawing 6436 Rev. A 12/14/09

McFarlane

McFarlane Aviation Products

Keep with Arecvaff Maintennie McFarlane Aviation, Inc.

696 E 1700 Rd Baldwin City, KS 66006 FAA-PMA Approved Eligibility for McFarlane Aviation, Inc. Fuel Reservoir Plunger for 177RG Cessna Aircraft.

nodel	Serial Number	McFarlane Part Number	Replaces Cessna Part Number	
177RG	177RG0001 thru 177RG1366	MC2016021-4	2016021-4	
Per/KG	F177RG0001 thru F177RG0177	MC2016021-4	2016021-4	

'MC" prefix denotes McFarlane Aviation, Inc. Manufacture

Information derived from FAA-PMA eligibility drawing 6274 Rev Org 08/03/2009. Go to www.mcfarlaneaviation.com/eligibility to view the official drawing.



**McFarlane Aviation Products** 

McFarlane Aviation, Inc. 696 E 1700 Rd Baldwin City, KS 66006

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				
		Date: 6/03/2010; Aircraft: N53061; Type: C-177RG; S/N: 177RG1334 Removed GMA 340,GNC300XL, AK950, GI102, 300 Autopilot system,EDM Removed all engine gauges including probes hoses and wires. Installed PMA8000B, GNS530W, GTX327, KCS55A system, MVP-50P system STC SA01988SE. Replaced existing instrument panels using .090 aluminul Installed 4300-311 horizon, SC-5 clock. Upgraded S-TEC 30Alt to full systems STC # SA09300AC-D. Installed Air Gizmo dock for GPS696. Replaced all with Klixon 7277-2 series breakers. Replaced all antennas and ran new coal Installed lo vac warning per SK172-87. Replaced all airduct hoses with SCAR Replaced master, landing gear and starter relays. Update weight & balance swing compass.  MAINTENANCE RELEASE						
		The coregular Aviation Name: Sign:	omponent id tions of the on Administration of the one o	entified was repaired and inspected in accordance with				

© 1991 ASA

E	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Entries must be endorsed	with Name, Rating and Certificatity. (See back pages for other sp	e Number of
		53061 77RG133	4	St. Cloud Aviation 1544 45th Ave. SE St. Cloud, MN 56304	Dec. 16, 2010 HM: 0178.2	
	W	ing a Ce eight and	ssna SK18 d Balance	brakes with Cleveland when 32-120D kit. Replaced right a change is negligable.  A&P 3374420		
	Replaced rotal MAINTENAN The compone	CE RELI	EASE fied was read the Fe	2061; Type: C-177RG; S/N: 1 a Whelen 70509 unit. Weight epaired and inspected in accederal Aviation Administration	t and balance negligible. — cordance	
				nber: 2373093 R&I		

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
	Replace gear A Hand F battery	ced Left Control of Co	St.Cloud, St.Cloud, St.Cloud, St.Cloud, St.Cloud, Sear Brake Sw. Replaced seals implied with All 12/2013. I ce an Annual Institute of the Annual Insti	A Aviation ACT: 1770.0  th Ave SE  MN 56304  ivel with p/n 1280111-1. Replaced seals in main in Nose Gear Actuator. Replaced seals in Gear D87-20-03 Seat Rails. Tested ELT per 91.207(d), rtity this aircraft has been inspected in spection and found airworthy.  Daren M Carlson 470526948 IA
-	Date:11/22/201 N53061 S/n 177RG1334 Installed service oer Cessna SE	t s e kit SK21	vision 2.	

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	Mcl MC per	Farlane A 2016021 formed in	d plungers, paying the Aviation Inc. 4. FAA PN accordances provided value of the Aviation Inc. 6. Aviation I	N53061 184.2 hrs Hobbs b/n 2016021-4, in both fuel reservoirs with direct PMA replacement plungers p/n MA Number: PQ3732CE. All work e with Instructions for Continued with drain kit FDV-KT-1. Don Pearson A&P2655566  EXECUTE: St. Cloud Aviation, St. Cloud, Mn.
				€ 1991

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repair Entries must be endorsed with Name, Rating and Control Technician or Repair Facility. (See back pages for control to the control of the control	
184.50; Tach Time	e programme 1209, VSI, ele	; Total Ted in MV	ime: 1772.0 P50 for aircr	2-177RG; S/N: 177RG1334; Hobbs:	
Performed	Transponde	er, altime	eter and ence	oder test.	
I certify tha	at the altimet	ter, static	system, tra	nsponder and altitude reporter test	
The state of the s				17 have been performed and found to be decided and AC43.6b.	
Tested to	20 Kft.				UPS SI
	Model KFI Model 593				PPIIIS
Transpond	ler #1 Model	GTX327	7 s/n 837382		
Encoder#	1 Model SSI	D120-30	SRA s/n 92	249	
MAINTEN	ANCE RELE	ASE			
The compo	onent identifi	ed was r	epaired and	inspected in accordance	
111	+ roadlations	of the E	odoral Aviat	ion Administration and is	

approved for return to service.

Name: Dave Backes Cert. Number: 2373093 R&I

Sign: Date: 01/14/2011
CRS # BDKR393C STC Aviation Inc. 1544 45th Ave SE St. Cloud MN 56304

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1: 1771

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perfor 6b.

Altimeter	Model	5934	1P-3 s	39	8547
				THE RESERVE AND DESCRIPTION OF THE PERSON.	

Altitude	Altimeter Reads	Altitude	Altimeters
-1000	-990	14000	Altimeter Reads
0	00	16000	12730
500	500	18000	1300
1000	1000	20000	10000
1500	1500	22000	1/1/20
2000	2000	25000	
3000	2995	30000	
4000	4000	35000	
6000	5990	40000	
8000	7990	45000	
10000	9980	50000	
12000	11920		

Date /-/2-// Inspector

Altimeter Model <u>KFD 840</u> s/n 1001001038

Altimeter Reads	Altitude	Altimeter Reads
-1020	14000	13950
-30	16000	15950
480	18000	17940
980	20000	19950
1480	22000	
1980	25000	
2970	30000	
3970	35000	
5965	40000	
7960	45000	
9960	50000	
11950		
	Altimeter Reads -1020 -30 -30 -480 -980 -1980 -1980 -2970 -3970 -5965 -7960 -9960 -11950	-1020       14000         -30       16000         480       18000         980       20000         1480       22000         1980       25000         2970       30000         3970       35000         5965       40000         7960       45000

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
300 AIRPOI ADA, OK 74 N53061 CES LYCOMING I CERTIFY T AND DETAI CONDITION	SSNA 177RG IO-390-A1A THAT THIS AI	SN: 17 6 SN RCRAFT PENDIX PERATI	7RG1334 AC : RL-191-80E HAS BEEN I D TO PART 4 ON.	TORMADO ALLEY TURBO INC.  7 MARCH 2011  FT HOBBS: 192.2 ACFT TT: 1779.75  E ENG TSN: 18.5  NSPECTED ON 7 MARCH 2011 IN ACCORDANCE WITH THE SCOPE 3 OR OTHER FAA APPROVED PROGRAMS, AND FOUND TO BE IN
RITH	QUESTED A SPICATE DUE SERIO	TFOR AND HA DATE	THE CERT VE ISSUED AIRV	WORTHINESS 7/2001 INSPECTION

© 1991 ASA

DATE	RECORDING TACH	TODAYS	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
19	TIME	07.09000	SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
COMPLETED OF COMPLIED WAS COMPLIED WAS COMPLIED WAS COMPLIED WAS COMPLIED WAS COMPLIED WAS CERTIFY THE	LLEY TURB T RD 20 SNA 177RG IO-390-A1A ANNUAL IN AIRWORTH ITH AD 2008 ITH AD 2016 ITH AD 2016 ITHER AD'S ED 6/21/201 12 MONTH 12 MONTH 12 MONTH 12 MONTH MENT UNTIL ONTROL RI GEAR CHE ID REPLACE AT THIS AIR TERMINED	SN: 177 6 SN: SPECTION INESS DO 3-26-10 B PREVIOUS 2 FOR DO CABIN HI HAND HE ELT OPE GGING CO CKS PER DEC 20 GCKS PER DEC 20 TO BE IN	AIRFRAME RG1334 AC RL-191-80E N USING CE IRECTIVE S Y INSPECTI USLY COMP ETAILS. EAT AND AI ELD FIRE EX RATION CH 13. PERFO CHECKS PER EFORMED P ISTRUMENT HAS BEEN II I AN AIRWO	Technician or Repair Facility. (See back pages for other specific entries.)  LOG BOOK ENTRY 21 JUNE 2012 FT HOBBS: 210.5 ACFT TT: 1786.6 E ENG TSN: 31.32 ESSNA MAINTENANCE MANUAL INSPECTION CHECKLIST. EARCH USING AVANTEX DISC 2012-11 ON OF HOLE IN VALVE. NO FAULT FOUND. ON AND ADJUSTMENT. NEXT INSPECTION DUE 1886.6 TT. PLIED WITH, NOT DUE, OR NOT APPLICABLE. SEE AD COMPLIANCE  R DUCT INSPECTION, NEXT DUE JUNE 2013. CTINGUISHER INSPECTION, NEXT DUE JUNE 2013. ECK PER FAR 91.207D. NEXT DUE JUNE 2013. ELT BATTERIES NOT RMED 100 HOUR AND 300 HOUR AIRCRAFT LUBE REQUIREMENTS. RFORMED PER MAINTENANCE MANUAL. ER MAINTENANCE MANUAL. F AIR FILTERS WITH NEW. NSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND RRTHY CONDITION.

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
00 AIRPOR DA, OK 74 153061 CES YCOMING CERTIFY T ND DETAIL ONDITION	SNA 177RG 10-390-A1A HAT THIS AIF OF THE APF	SN: 177 6 SN: RCRAFT I PENDIX D PERATIO	RG1334 AC RL-191-80E HAS BEEN II TO PART 4 N.	ELOG BOOK ENTRY  17 JULY 2012 186.6  FT HOBBS: 492.2 ACFT TT: 4779.75  E ENG TSN: 32.5 31.32  NSPECTED ON 17 JULY 2012 IN ACCORDANCE WITH THE SCOPE 13 OR OTHER FAA APPROVED PROGRAMS, AND FOUND TO BE IN
AVID LAND	RETH A&P 2	26515121	4	
	RE RE TE	QUIRE QUEST RTIFIC RENEX DUE O	MENT FOR AND ECIAL CON N 8-8	AIRCRAFT MEETS THE OR THE CERTIFICATION HAVE ISSUED A  AIRWORTHINESS TED 8-23-2012 INSPECTION  23-2013 I, SW-MID6-41

DATE 19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Ref: 91.411 I certify that the altimeter(s), altitude reporting system(s), and static system(s) have been tested and inspected IAW FAR Part 43, Appendix E.
				Date MAR 13 2013 Signature For Autopilots Central, Inc. Tulsa, Oklahoma FAA CRS CXM2R747K
				Work Order #
				Ref: FAR 91.413  ATC Transponder <u>GT × 327</u> s/n <u>83738292</u> was tested and inspected and complies with FAR Part 43, Appendix F.
				Signature  Signature  For Autopilots Central, Inc.  Tulsa, Oklahoma FAA CRS CM2R747K
				Work Order #

Aviation	oving National  Authority/Country: JNITED STATES	2. AUI	FAA Form 8130-3,AII						Tracking Number:
4							AG	AY13	-03944
	nization Name and Ac		AUTOPIL ANGAR 23, TULSA INT'I					5. Work Number:	Order/Contract/Invoice
6. Item:	7. Description:	8.	Part Number:	9. Eli	gibility: *	10. Quantity:	11. Serial/Bat	ch No.: 1	2. Status/Work:
)	GTX 327	011-	004-90-00			1	33738	292	INSPECT
□ A		are in con	manufactured in conform dition for safe operation. in Block 13.	800 X 100 X	Certifies the Block 12 at Title 14, C	nat unless other and described in ode of Federal	wise specified in Block 13 was ac	Block 13, the complished 43 and in r	on specified in Block 13 he work identified in d in accordance with respect to that work,
15. Author	orized Signature:	16	3. Approval/Authorization	n No.:	20 Authori	zed Signature	e>	21.App	
	orized Signature:  (Typed or Printed):		3. Approval/Authorization	n No.:	22 Name	Typed or Prin	gted):	> 23. Da	proval/Certificate No.  CM2R747K  ate (m/d/y):  3 14 2013
17. Name	(Typed or Printed):	18		aller R	22 Name esponsibil	Typed or Prin	gted): Aah	23. Da	CM2R747K ate (m/d/y): 3 14 2013

\*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

1. Approving National Aviation Authority/Country:

## AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

DR10970

4. Organization Name and Address:

FAA/UNITED STATES

MOOG Crossbow Navigation, Guidance & Sensor 1421 MCCARTHY BLVD. MILPITAS, CA 95035

5. Work Order/Contract/Invoice Number: DR10970

NSN: 0052-00-012-900

3. Form Tracking Number:

6. Item: Description: Part Number: Eligibility:\* 9. 10. Quantity: Serial/Batch Number: Status/Work: 12. PRIMARY FLIGHT DISPLAY KFD 840 (PFD) 8350-0840-08 TSO ARTICLE N/A 0901001564 See Block 13 REVA

### 13. Remarks:

- 1. ITEM WAS ALTERED TO PN 8350-0840-08 AS DOCUMENTED ON DR10970 HONEYWELL INTERNATIONAL, INC. PN:066-01206-0104
- 2. APPLICABLE INSPECTION TRAVELLERS ARE ON FILE. THIS FORM IS ISSUED FOR IDENTIFICATION AND INDICATION OF INSPECTION STATUS.
- 3. THIS FORM DOES NOT AUTHORIZE EXPORT OF LISTED ASSEMBLIES.
- 4. ITEM PASSED ALL ATP REQUIREMENTS AND MEETS ALL SPECIFICATIONS/DESIGN DATA OF A NEW UNIT. -----NOTHING FOLLOWS -----

Approved design data and are in Non-approved design data specific		19.	Certifies that unless otherwise specified in I and described in Block 13 was accomplished Federal Regulations, part 43 and in respect return to service.	d in accordance with Title 14 Code of
15. Authorized Signature:	16. Approval/Authorization No.:	20.	Authorized Signature:	21. Approval/Certificate No.: PT2390NM
17. Name (Typed Printed):	18. Date (m/a/)	202	Name (Typed or Printed): er Padar	23. Date (m/d/y): 5/21/12
	User/Ins	tallar	Desnonsibilities	

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



Autopilots Central, Inc.

Hangar 23, Tulsa International Airport - Tulsa, OK 74115 P.O. Box 582108 - Tulsa, OK 74158 (918)836-6418 - Fax (918)832-0136 FAA CRS CM2R747K Logbook Entry

Sold To: Tornado Alley Turbo 300 Airport Road Ada, OK 74820

Work Order: Acct Number:

AV13-03944 (580)332-3510

Opened:

2/14/2013

Closed:

3/12/2013

Aircraft Number:	N53061	Type:CES	SSNA 1	77RG	S/N: 177RG1334	
Eng# Type	S/N	Time C	Cycles	Prop Type	Prop S/N	Prop Time
Discrepancy: 1					TOP ON T	1 TOP THITE

### Problem:

Certify transponder.

### Action Taken:

GTX327 Transponder P/N 011-00490-00 S/N 83738292

Certified transponder in accordance with FAR 43-6A and complies with FAR 43, Appendix F.

### Discrepancy: 2

### Problem:

Certify altimeter.

### **Action Taken:**

KFC840 Crossbow Altimeter P/N 066-01206-0104 S/N 1001001038

Unit altimeter data failed at all test points up to 10,000 feet. Removed unit for factory re-calibration.

3/12/2013 - Installed exchange KFD840 S/N 0901001564 to aircraft.

### Note:

This Discrepancy is covered under warranty.

Part Number	Description	Credit	Quantity Units	Unit Price	Extended
066-01206-0104	KFD840 Flight Dispaly		1.00, Each	S	
	S/N: 0901001564				

### Discrepancy: 3

### Problem:

Certify static system.

### Action Taken:

Tested static system and found leakage in excess of 700fpm. Secured loose fittings at both sump bottle and the encoder. Replaced hose connecting static line to KFD840 static input fitting. Re-tested and certified static system in accordance with FAR 43, Appendix E. Paragraph A.

### Discrepancy: 4

### Problem:

Certify altitude reporting system.

### **Action Taken:**

Certified altitude reporting system IAW FAR 43, Appendix E, Para C, Appendix E, Paragraph A

### Miscellaneous Charges:

Totals: SubTotal:

Less Warranty Labor: Charges:

The articles and/or work hereon described is/are certified airworthy, (unless otherwise specified). Autopilots Central, Inc. FAA CRS CM2R747K

3/12/2013 Work Order: AV13-03944 Printed:

Page: 1 of 2

Misc Supplies: \$

# Autopilots Central, Inc. Hangar 23, Tulsa International Airport - Tulsa, OK 74115

Authorized Signature\_

Printed: 3/12/2013

Work Order: AV13-03944

Page: 2 of 2

		_		
DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
300 AIRPO ADA, OK 7 N53061 CE LYCOMING I CERTIFY AND DETA CONDITION	4820 SSNA 177R 10-390-A1 THAT THIS A	G SN: 17 A6 SN IRCRAFT PENDIX OPERAT	7RG1334 AC I: RL-191-80 THAS BEEN D TO PART A ION.	E LOG BOOK ENTRY  20 MARCH 2013  CFT HOBBS: 233.5 ACFT TT: 1791.6  E ENG TSN: 38.71  INSPECTED ON 20 MARCH 2013 IN ACCORDANCE WITH THE SCOPE 43 OR OTHER FAA APPROVED PROGRAMS, AND FOUND TO BE IN
300 AIRPO ADA, OK 7 N53061 CE LYCOMING PURSUENT AIRPLANE TO BEING	4820 SSNA 177RO 10-390-A1 TO THE REI HAS BEEN F	G SN: 17 A6 SN QUIREME LOWN TH D BE PLA	7RG1334 ACI: RL-191-80 ENT OF THE	E LOG BOOK ENTRY  20 MARCH 2013  CFT HOBBS: 233.5 ACFT TT: 1791.6  E ENG TSN: 38.71  EXPERIMENTAL OPERATING LIMITATIONS PARAGRAPH 4 THIS  D MINIMUM 5 HOURS UNDER RESEARCH AND DEVELOPMENT PRIOR  ARKET SURVEY STATUS.

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
		REQUAREQUARE THE IS DU	D THAT TOUREMENT JESTED A  SIFICATE  NEXT C  JE ON 8	HIS AIRCRAFT MEETS THE T FOR THE CERTIFICATION AND HAVE ISSUED A  AIRWORTHINESS DATED 3-20-2013 INSPECTION P-23-2013 .
				EMERGENCY BATTERY REPLACEMENT Affix this label in aircraft logbook  Recommended battery replacement 3 years from date of manufacture. Order replacement battery from Mid-Continent Instruments and Avionics at (800) 821-1212.  Date of Manufacture: 50/2 20/6

DATE  19
TORNADO 300 AIRPOR ADA, OK 74 N53061 CES LYCOMING INSTALLATI TECHNOLO CURRENTL FOR CONTI INSTALLED INSTALLED INSTALLED INSTALLED INSTALLED INSTALLED INSTALLED TURBO SYS OPERATION DAVID LANG

19 19 101 101 101 101 101 101 101 101 10				
AIRFRAME LOG BOOK ENTRY  1 JULY 2013 LYCOMING IO-390-A1A6 SN: RL-191-80E ENG TSN: 40.71 INSTALLED NEW MIDCONTINENT INSTRUMENTS 4300 SERIES ELECTRIC ATTITUDE INDICATOR WITH BATTERY  DAVID LANDRETH A&P 2651512IA  TORNADO ALLEY TURBO INC. 300 AIRPORT RD AIRFRAME LOG BOOK ENTRY  1 JULY 2013 LYCOMING IO-390-A1A6 SN: RL-191-80E ENG TSN: 40.71 INSTALLED NEW MIDCONTINENT INSTRUMENTS 4300 SERIES ELECTRIC ATTITUDE INDICATOR WITH BATTERY  OPERATIONAL AND RUN-UP CHECKS OK.  DAVID LANDRETH A&P 2651512IA  TORNADO ALLEY TURBO INC. 300 AIRPORT RD AIRFRAME LOG BOOK ENTRY ADA, OK 74820  N53061 CESSNA 177RG SN: 177RG1334 ACFT HOBBS: 235.5 ACFT TT: 1793.6 LYCOMING IO-390-A1A6 SN: RL-191-80E ENG TSN: 40.71 INSTALLED AIRWOLF REMOTE MOUNTED ENGINE OIL FILTER KIT AFC-K007 IN ACCORDANCE WITH AFC-K007-MI AND APPROVED UNDER STC SA00024NY. OPERATIONAL AND RUN-UP CHECKS OK.	TACH		TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility (See hard)
ADA, OK 74820  N53061 CESSNA 177RG SN: 177RG1334 ACFT HOBBS: 235.5 ACFT TT: 1793.6  LYCOMING IO-390-A1A6 SN: RL-191-80E ENG TSN: 40.71  INSTALLED AIRWOLF REMOTE MOUNTED ENGINE OIL FILTER KIT AFC-K007 IN ACCORDANCE WITH AFC-K007-MI  AND APPROVED UNDER STC SA00024NY.  OPERATIONAL AND RUN, UP CHECKS OK.	ADA, OK 74820 N53061 CESSNA 177 LYCOMING 10-390- REMOVED INSTRUM INSTALLED NEW MID BACK UP. STAND-BY BATTERY OPERATIONAL AND F	RG SN: 177RG A1A6 SN: R ENT AIR PUMP CONTINENT IN DUE REPLACE RUN-UP CHECK	AIRFRAME L  G1334 ACFT L-191-80E AND PLUME ISTRUMENT	OG BOOK ENTRY  1 JULY 2013  HOBBS: 235.5 ACFT TT: 1793.6 ENG TSN: 40.71  SING. S 4300 SERIES ELECTRIC ATTITUDE INDICATOR META-
	300 AIRPORT RD ADA, OK 74820 N53061 CESSNA 177 LYCOMING 10-390- INSTALLED AIRWOLF AND APPROVED UND OPERATIONAL AND F	RG SN: 177RG A1A6 SN: R REMOTE MOD DER STC SA000 RUNJUP CHECK	G1334 ACFT L-191-80E UNTED ENGI 024NY.	1 JULY 2013 HOBBS: 235.5 ACFT TT: 1793.6 ENG TSN: 40.71

# 4300 ELECTRIC ATTITUDE INDICATOR

- Battery automatically charges during normal operation
- With loss of aircraft power, including end of flight shutdown, this
  unit will automatically switch to battery power operation for approx.
   1 minute, then will automatically shut down.
- Bauery service recommended annually replace at three (3) years
- See Pilot's Guide for complete details part # 9015834

# Standby Battery self-test function:

- Aircraft power applied to unit
- Push and hold STBY PWR button
- Amber status flashes, release button
  - Green TEST light = good battery
  - Red Test light = recharge or replace battery



Battery Install Date

# 4300 ELECTRIC ATT'TUDE INDICATOR

This precision attitude indicator utilizes a unique self-contained emergency standby battery and lighting system.

# Red warning flag = inoperative - do not use Flashing amber status light = loss of input power

Automatically engages standby battery for approx 1 min.

# STBY PWR button functions:

- Push to continue running on battery power for up to one hour. Amber light will go out.
- Push again to power off gyro
- Push and hold to activate the self-test function

### www.mcico.com

Thank you for purchasing this Mid-Continent Instruments and Avionics product.



DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
300 AIRPO ADA, OK 74 N53061 CE	4820 SSNA 177RO 10-390-A1 AND REPLA	G SN: 17 A6 SN CED STA	7RG1334 A	TO JULY 2013 CFT HOBBS: 235.5 ACFT TT: 1793.6 DE ENG TSN: 40.71 NEW SKY-TEC MODEL NUMBER 149-24PM SERIAL NUMBER F4P-
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19	RECORDING TACH TIME	FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Altera Entries must be endorsed with Name, Rating and Certificate Numb Technician or Repair Facility. (See back pages for other specific en
				the specific en
ORNADO	ALLEY TURBO	) INC		
00 AIRPOR			AIRFRAME	LOG BOOK ENTRY
DA, OK 74	1820			1 AUG 2013
53061 CES	SSNA 177RG	SN: 177F	RG1334 ACF	FT HOBBS: 239 5 ACET TT: 1795 6
YCOMING	10-390-A1A6	SN:	RI -191-80F	FNC TCN: 12 F2
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				ON AND ADJUSTMENT. NEXT INSPECTION DUE 1895.6 TT. LIED WITH, NOT DUE, OR NOT APPLICABLE. SEE AD COMPLIAN
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DATE 19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DA, OK 74 153061 CES YCOMING CERTIFY T ETAIL OF ONDITION	820 SNA 177RG 10-390-A1/	SN: 177 A6 SN: RCRAFT OIX D TO OPERATIO	RG1334 AG RL-191-80 HAS BEEN PART 43 OI ON.	CFT HOBBS: 239.5 ACFT TT: 1795.6  E ENG TSN: 43.53  INSPECTED ON 23 OCT 2013 IN ACCORDANCE WITH THE SCOPE AND R OTHER FAA APPROVED PROGRAMS, AND FOUND TO BE IN
		REQUINCE OF THE NITE OF THE NI	REMENT ESTED AN PECATE I EXT_( ON_O	HIS AIRCRAFT MEETS THE T FOR THE CERTIFICATION ND HAVE ISSUED A  AIRWORTHINESS DATED OCT. 24, 2013 CONDITION INSPECTION CT 23, 2014 ASI, SW-MIDO-41

© 1991 ASA

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries
TORNADO	ALLEY TURB	O INC.		
300 AIRPO			AIRFRAME	E LOG BOOK ENTRY
ADA, OK 74 N53061 CE		SN: 177	RG1334 AC	28 OCT 2013 FT HOBBS: 233.5 ACFT TT: 1791.6
LYCOMING	10-390-A1A	46 SN:	RL-191-80E	E ENG TSN: 38.71
PURSUENT	TO THE REC	QUIREME	NT OF THE	EXPERIMENTAL OPERATING LIMITATIONS PARAGRAPH A THIC
AIRPLANE	IS TO BE FLO	WN UND	ER RESEAR	CH AND DEVELOPMENT UNTIL FURTHER NOTICE.
BILBY WAL	LACE 312155	1 CFI		
TORNADO	ALLEY TURE	ROING		
300 AIRPO	RT RD	o meo.	AIRFRAME	LOG BOOK ENTRY
ADA, OK 74				20 NOV 2042
- 1 - CHAILIAG	10-33U-A1A	70 -M.	RI JUI ONE	FT HOBBS: 239.5 ACFT TT: 1797.5 ENG TSN: 45.71
PERFURME	=D AIRWORT	HINEES	IRECTIVE C	HECK LICINIC DI METRICI VANA
DOM MALIA	COMPLIE	O WITH O	R NOT APPL	ICABLE.
PREVIOUS				
0	DRETH A&P	26515121		
0	DRETH A&P	26515121/	A	
0	DRETH A&P	26515121/	A	
0	DRETH A&P	26515121/		
0	DRETH A&P	26515121/		
0	DRETH A&P	26515121/		
0	DRETH A&P	26515121/		
0	DRETH A&P	26515121/		

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DA, OK 74 53061 CES YCOMING CERTIFY TONDITION	820 SSNA 177RG 10-390-A1A	SN: 177 6 SN: RCRAFT IX D TO PERATIO	RG1334 AC RL-191-80E HAS BEEN I PART 43 OR ON.	LOG BOOK ENTRY 20 NOV 2013 EFT HOBBS: 239.5 ACFT TT: 1797.5 ENG TSN: 45.71 INSPECTED ON 20 NOV 2013 IN ACCORDANCE WITH THE SCOPE AND OTHER FAA APPROVED PROGRAMS, AND FOUND TO BE IN
		REQ REQ THE	UIREME UESTED STAN TIFICATI NEXT	THIS AIRCRAFT MEETS THE  NT FOR THE CERTIFICATION  AND HAVE ISSUED A  OARD AIRWORTHINESS  E DATED NOU ZI, 2013  ONZITICM INSPECTION  Jou 20, 2014

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1. Remo Manua checke 2. Replace For con 3. Rebuilt lished to	ve master al for proceed for smooth cowl for proceed cowl for smooth cowl for proceed cowl	90-A1A brake cyl edures an oth and c	6 Sn. RL-1 inder and reb	Technician or Repair Facility. (See back pages for other specific entries.)  G1334 ACFT TT: 1819.16  91-80E Eng. TT: 70.14 12/09/2014  ouild with genuine Cessna parts using FAA. Approved Cessna service
Lycom:  1. Remo Manua checke 2. Replace For con 3. Rebuilt lished to	ve master al for proceed for smooth cowl for proceed cowl for smooth cowl for proceed cowl	90-A1A brake cyl edures an oth and c	6 Sn. RL-1 inder and reb	91-80E Eng. TT: 70.14 12/09/2014
checke 2. Replace For con 3. Rebuilt lished to	ed for smo	oth and c	a guidance.	ouild with genuine Cessna parts using FAA. Approved Cessna service
3. Rebuilt	nect proce	natanama	orrect operat	Cleaned and inspected calipers, brake rotors and pads. Bled brakes and tion.
Honeu (	THE RESERVE OF THE PERSON OF T	edule (se	e 33 / reflecti	kit from Skybolt using STC. No. SA3286So and Cessna Service Manualing this work in aircraft records).
1 Daharila	using Cess	sha servic	e manual.	a genuine parts and replace nose gear magnetic switch. All work accomp-
4. Rebuill	main gea	r actuato	r using Cessn	na parts and Cessna service manual.
5. Flushed	d landing	gear pow	er pack and a	all lines with an ample amount of 5606 being run thru the entire greaters
rmai se	ervice with	1 2000 al	ong with gea	r retraction check resulted in smooth and correct operation of goor
o. Replace	e nose gea	r tire and	tube with ne	ew Flight Custom II and leak quard tube(see invoice in giroreft records)
Correct	t procedur	e and gu	idance.	on all flight controls, flaps and trim tabs using Cessna service manual for
8. Cleaned	and re-pa	acked all	wheel bearin	ngs (nose and main gear).
9. Complie	ed with all	lubricati	ion requirem	ents for the 100 Hr. Inspection
10. Compl	ied with A	D 2011-	10-09 by ins	pection. Due next annual inspection.
11. Comple	eted Annu	ial Inspec	ction using C 2/09/2014.	essna Maintenance Manual Inspection Checklist. All applicable AD's
				s been inspected in accordance with an Annual Inspection and has been
Found 1	to be in ar	airworth	ly condition.	al do hereby return it to service 12/00/2014
James V		A 0-DO1	84306IA	James V. Lestaat ?

Description of Inspections, Tests, Repairs and Alterations TOTAL Entries must be endorsed with Name, Rating and Certificate Number of **TODAYS** RECORDING DATE TIME IN FLIGHT Technician or Repair Facility. (See back pages for other specific entries.) TACH SERVICE TIME FAR 91.413 THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C. S/N: TRANSPONDER MAKE: MODEL: 83738292 #1 S/N: TRANSPONDER MAKE: MODEL: #2 INSPECTOR: WO: DATE: CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K FAR 91.411 ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43 ALTIMETER CERTIFIED TO LEFT FEET RIGHT FEET S/N: S/N: DATE: W/O INSPECTOR: CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K

ns

S.)

np-

# NS 3061 CAROLINA AVIONICS

FAA Approved repair static Altimeter Scale I Correction Cal

Indica Read at +2											Altimet	Position	Pilot	Copilot		200	8:10	
TEST	30,000	35,000	40,000	45,000	50,000	55,000	60,000	70,000	80,000							ALT. S/N	DATE	
Indicator Reading at +25c	1000	3-	780	980	1480	/880	2980	398	2380	7980	1000	12010	00061	02091	1802	19200		
PT(FT)	-1,000	0	200	1,000	1,500	2,000	3,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	25,000

DOC# ECC123

DATE 2015 45	RECORDING TACH TIME	TODAYS		Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-29-15	1834.50		1834,50	Checked controls, cables, hinges, pulleys, brooks decked landing gray tires, whoels & brakes,
Installe	of brake	surve	el assy.	1/1/280111-1 fol right main lunished he
Michelo	Naw St	ap 13	X6,00-	Reglaced tubes for left + sight mains using 6. Rotated mains tires . Serviced tires with
keasse	mbled la	ing s	rew sea	mney dampne discessembles, cleaned, inspected la. Reinstalled shimney dampner & sewired
with	wiel. Fee	Loim	edland	ling gesu retraction checks normal &
Demou	ga mai	nge	ar turn	Lines & sent to Purple Hill in Canada Ditted, painted & reinstalled after return
Lewes	ed auren	ftba	theun.	capallity Charbart FIT out AR91-207pm
Instan	led new	Treat	of ser pe	Desember 2021. Checked fuel caps verto disinte cel caps Checked & cleaned fuel strainer ened carry thru spar & treated with
Dirit	ol AV8	Inst	alled no	winsulation & reinstalled headliner
© 1991 ASA	aceds	est	hose f	winsulation & reinstalled Meadliner or wing wentalization. Made & installed next por

DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
doubles Made Saftie instat CIWA.	ing sere	14 Sea	Jeacona Jety wir 19535: Section	cable. Adjusted throttle switch for gear horn.  Las needed. Prop botts was not saftied.  e. Reigged rudder. C/WSEB 27-01 by  265-48 on co-pilots control column.  Check of many switch. C/WAD. 11-10-09 seat  agazement by insp. I certify that this sirroft  apagement by insp. I certify that this sirroft  apagement by insp. I certify that this sirroft
appe	sedfo	ret	un to	sewise, Samuel Barnes ALP 242 644424 IA
				€ 1991 ASA

1. Approving Civil Aviation Authority / Country: FAA / UNITED STATES			RELEASE CER RWORTHINESS A		CONTRACTOR OF THE PARTY OF THE	3. Form Trace	king Number	
Textron Aviat	ion In	ion Inc.				5. Work Orde		Invoice Number: 493588
1 Cessna Blv	d, Wic	hita, K	S 67215	To Overethe	10. Serial	Number		11. Status/Work:
6. Item: 7. Description: 8.	Part Number:			9. Quantity:	10. Senai i	number:		11. Status/Work:
10 CLEVIS M	S21253-	3RS		1	N/A			New
12. Remarks:								
IRWORTHINESS APP	ROVAL -	PARTS.						
				PO#	gso	-0423	5	
13a. Certifies the items identified above were	manufactured in	conformity to:	14a. 14 CFR 43.9	9 Return to Ser		· SANCHARA MARKATAN		ecified in block 12
Approved design data and are in a  Non-approved design data specified		operation.	Title 14, Co	at unless other nd described in de of Federal F re approved for	Regulations	i, part 43 a	k 12, the v plished in nd in resp	work identified in accordance with ect to that work,
13b. Authorized Signature:		13c. Approval/Au		14b. Autho	-	Name and Address of the Owner, where the Owner, while the	14c. Appr	roval/Certificate No.:
Jel 8 W/-		ODA-10	0129-CE					
13d. Name (Typed or Printed):		13e. Dat	te (dd/mmm/yyyy):	14d. Name	(Typed or	Printed):	14e. Date	e (dd/mmm/yyyy):
JOHN S. WALTON		NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND PARTY OF THE OWNER,	OCT/2015					
			staller Responsibiliti		inetall the	aircraft and	ine/propell	er/article.
It is important to understand that the exist Where the user/installer performs work in specified in Block 1, it is essential that the airworthiness authority of the country specified Statements in Blocks 13a and 14a do not accordance with the national regulations in the secondance with the	accordance with suser/installer e cified in Block 1 constitute insta	th the national regular ensures that his/her	ations of an airworthine airworthiness authority In all cases, aircraft ma	accepts aircraft	erent than the engine(s)/	propeller(s)	article(s) f	from the

FAA Form 8130-3 (02/14)

NSN: 0052-00-012-9005

1. Approving Civil Aviation				AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	SAME AND ADDRESS OF THE PARTY O	
		RELEASE CER			m Tracking Num	nber:
Authority/Country: FAA/UNITED STATES	FAA FORM 8130-3, A	AIRWORTHINESS A	PPROVAL T	AG 4	7808	345
Organization Name     and Address:				5. Wor	k Order/Contrac	ct/Invoice Number:
Textrol	n Aviation In	ic. (PC4)				
Textron Aviati	on Inc.				1	493588
The state of the s	vd, Wichita,	KS 67215				
6. Item: 7. Description: 8. F	Part Number:		9. Quantity:	10. Serial Numbe	r.	11. Status/Work:
20 TURNBUCKLE MS	321251-B3S		1	N/A		New
12. Remarks:						
A TOUGHTHITMECC ADDD	ALL DARTO					
AIRWORTHINESS APPR	COVAL - PARIS.					
A SECURE OF THE PARTY OF THE PA			DO#	000 01	225	
13a. Certifies the items identified above were	manufactured in conformity to:	142 T 14 CER 43 9	CC:00000000000000000000000000000000000	gso-04		iffed in blank 42
13a. Certifies the items identified above were  Approved design data and are in a c		14a. 14 CFR 43.9 Certifies tha	Return to Sen	rice Othe	r regulation sp	pecified in block 12
	condition for safe operation.	Certifies that Block 11 and Title 14, Con	Return to Sent at unless otherw d described in de of Federal R	vice Other vise specified in Block 12 was acceptations, part	Block 12, the vomplished in 43 and in resp	work identified in
Approved design data and are in a control of the Non-approved design data specified in the Non-approved design data and are in a control of the Non-approved design data and are in a control of the Non-approved design data and are in a control of the Non-approved design data specified in the Non-approved design data and the Non-approved data and the Non-ap	ondition for safe operation. in Block 12.	Certifies that Block 11 an Title 14, Coo the items ar	Return to Sent it unless otherw d described in de of Federal R e approved for	vise specified in Block 12 was acceptations, part return to service	Block 12, the vomplished in 43 and in resp	work identified in accordance with sect to that work,
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Approved design data and are in a control Non-approved design data specified in 13b. Authorized Signature:	in Block 12.  13c. Approval/Au	Certifies that Block 11 and Title 14, Cool the items and uthorization No.:	Return to Sent it unless otherw d described in de of Federal R e approved for	vise specified in Block 12 was acceptations, part return to service	Block 12, the vomplished in 43 and in resp	work identified in accordance with sect to that work,
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Approved design data and are in a consultation of Non-approved design data specified and 13b. Authorized Signature:  13b. Authorized Signature:  13d. Name (Typed or Printed):	in Block 12.  13c. Approval/Au  ODA-10	Certifies that Block 11 and Title 14, Cool the items and uthorization No.:	Return to Sent t unless otherwad described in de of Federal Ree approved for 14b. Author	vise specified in Block 12 was acceptations, part return to service ized Signature:	Block 12, the vomplished in 43 and in resp.	work identified in accordance with sect to that work,
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AIRWORTHINESS APPROVAL	- PARTS.	THIS FORM		AN EXPOR	T APPROVAL.	
14. Certifies the items identified above were manufactured in Approved design data and are in a condition for safe.  Non-approved design data specified in Block 13.		Block 12 and Title 14, Cod	t unless other d described in de of Federal R	vise specified in Blo Block 13 was accor	egulation specified in block 13 ock 13, the work identified in implished in accordance with and in respect to that work,	
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FAA Form 8130-3 (6-01) * Installer must cro	NAME AND ADDRESS OF TAXABLE PARTY OF TAXABLE PARTY.					

Star Avionics, Inc. 108 Nowlin Lane, Hangar 21 Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

Date: July 11, 2016

N53061 S/N: 177RG1334

Tach Time: 1856.14

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A) Removed the following equipment:

- -Honeywell KFD-840 PFD P/N 066-01206-0104 S/N 0701001564 from F.S. 72.50 in the Pilot's instrument panel.
- -Honeywell CRM500GA-200 Magnetometer P/N 8350-0140-04 S/N 0901001275 from F.S. 127.14 in left wing tip.
- -Honeywell OAT Probe P/N C307PS S/N unknown from F.S. 127.14 in left wing root.
- -T.C.I. Altitude Digitizer P/N SSD120-XXA[]-RS232 S/N SRA-9249 from F.S. 71.50 under glove box.
- B) Installed the following equipment:
- -Garmin GDU 620 PFD/MFD P/N 011-01264-50 S/N 165204840 at F.S. 72.50 in the Pilot's instrument panel.
- -Garmin GRS 77 AHRS P/N 011-00868-10 S/N 42033333 at F.S. 189.00 in the tail of aircraft.
- -Garmin GDC 74A ADC P/N 011-00882-10 S/N 20622707 at F.S. 189.00 in the tail of aircraft.
- -Garmin GMU 44 Magnetometer P/N 011-00870-00 S/N 47525340 at F.S. 127.14 in left wing tip.
- -Garmin GTP 59 Temp Probe P/N 011-00978-00 S/N 47932977 at F.S. 127.14 in left wing root.
- C) All work was accomplished in accordance with Garmin STC SA02153LA-D and Garmin G500/600 AML STC Installation Manual (190-00601-06) Rev. N dated October 31, 2015. The G 500 System is connected to the PS Engineering PMA 8000B Audio Panel, Garmin GNS 530W, Garmin SL 30 NAV/COM, Garmin GTX 327 Transponder, Garmin GDL 88 ADS-B Transceiver, Garmin Flight Stream, and the S-Tec 55X Autopilot System. Installed Three new Klixon Circuit Breakers P/N 7277-2-5, 7277-2-5, and 7277-2-5 for the G 500 system. Three Circuit Breakers are placarded "PFD", "AHRS", and "ADC" installed on the essential buss.
- D) An FAA Approved FMS (190-00601-01) Rev. K dated 4/1/2015 and must be kept in the aircraft at all times. An Instructions for Continued Airworthiness (190-00601-00) Rev. L dated 3/18/2015 was provided. The Garmin G 500 was operationally tested and was found to be compatible with the above listed STC, AFMS, Installation Manual, ICA, FAR 91.411, and FAR Part 43 Appendix E Para (a) and (b). A new basic empty aircraft weight and center-of -gravity was calculated. It is the responsibility of the pilot to ensure correct weight and balance before each flight. The new electrical load does not exceed 80% of the aircraft capability. See FAA Form 337 dated 07/11/2016. Details are on file at Star Avionics, Inc. under W.O. # 33572.

	RECORDING TACH TIME	TACH  FLIGHT TIME IN  Entries must be endorsed with Name, Rating and Certificate Number of Service Services  Technician or Repair Facility (See back pages for other specific entries										
				Star	Avionics, Inc.							
	108 Nowlin Lane, Hangar 21											
Chattanooga, TN 37421												
				CRS # TA4	R537M (423) 499-1100							
	Date: Ju	ly 11, 201	6	N53061	S/N: 177RG1334	Tach Time: 1856.14						
	-S-Tec 552 -S-Tec Tri C) All wor 978 Rev. 2 Informatio Engineerin Breakers F Coord", an D) An FA Continued	Autopilot m Servo P/ k was acco dated Mar n Bulletin ng PMA 80 P/N 7277-2- nd "Trim" in A Approve Airworthin	Computer P/N 0106-T9 S/mplished in a ch 8, 2002 and No. 600 Rev. 00B Audio Particle on the dess (86240) In the chess (86240) In the che	N 01192-1-3T S/N 0 N 00106-1608-3040 ccordance with S-Te d TK-878 Bulletin N 26 dated November anel and the Garmin and 7277-2-2 for the e Avionic buss. 42) Rev. 1 dated 10/2 Rev. B was provided	7 at F.S. 73.50 in the Pilot's instrum 91192-1618-16592 at F.S. 71.50 in 6CEFGJ at F.S. 257.50 in the tail of 6c STC SA09456AC-D; S-Tec Instanton 10. 978-1 Rev. 2 dated March 8, 20 17, 2014. The S-Tec 55X Autopilot G500 Flight Display System. Instanton 55X system. Three Circuit Breaker 23/2001 and must be kept in the air 1. The S-Tec 55X Autopilot System 1. Installation Bulletins, and ICA 1. Installation Bulletins, and ICA 1. Installation Bulletins, and ICA 1. Installation Bulletins, and ICA 1. Installation Bulletins, and ICA	of aircraft. allation Model ST-878 Bulletin No. 202; and S-Tec General Installation at System is connected to the PS lled three new Klixon Circuit ars are placarded "A/P", "Turn craft at all times. An Instructions awas operationally tested and was a new basic empty aircraft weigh						

TACH TIME	DAYS TOTAL IGHT TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certific Technician or Repair Facility. (See back pages for other seconds)			
	Star	Avionics, Inc.			
	108 No	wlin Lane, Hangar 21			
		tanooga, TN 37421			
	CRS # TA	4R537M (423) 499-1100			
Date: July 11, 2016	N53061	S/N: 177RG1334	Tach Time: 1856.14		
B) All work was accomplishe Installation Manual (190-013) 001122-00) Rev. J dated Febr 530W GPS/NAV/COM, PS ED Display System, and the Garn placarded "UAT" and "B/T".	d in accordance with Gard 10-00) Rev. 9 dated Marchary 29, 2016. The Gard Engineering PMA 8000B nin Flight Stream 210. In ued Airworthiness GDL	F.S. 219.50 on the bottom of aircraft. rmin STC SA02119SE; Garmin GDL ch 31, 2016 and Garmin GDL 84/88 T nin GDL 88 ADS-B UAT System is co Audio Panel, Garmin GTX 327 Trans estalled two new Klixon Circuit Breake 84/88 Part 23 AML STC (190-01310-	SO Installation Manual (190- onnected to the Garmin GNS sponder, Garmin G500 Flight er (P/N 7277-2-3 and 7277-2-1);		

	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Entries must	on of Inspections, Tests, I t be endorsed with Name, Rating or Repair Facility. (See back page	g and Certificate Number of
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					Avionics, Inc. din Lane, Hangar 21	
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Details are on file at Star Avionics, Inc. under W.O. # 33572.

specification.

© 1991 ASA

Jeffrey K. Miller

CRS# TAAR 337M

PART NAME STBY Altimeter DATE 7/11/16

MANUFACTURER United SIN 398547

PART NO. 5934P-3

OWNER Grag Swift

AC TYPE Cessua 177RG NO. N53061

REMARKS Cettlator Itw FARPERT 43 Apr. E & 29,000ft TECHNICIAN

STAR AVIONICS, INC.
LOVELL FIELD
CHATTANOOGA, TN 37421
FAA CERTIFIED REPAIR STATION #TA

THE COMPONENT IDENTIFIED ON THIS FORM WAS INSPECTED IN ACCORDANCE WITH CURRENT CIVIL AIR REGULATIONS AND FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER WORK NO. 33572

DATED 1-6-16 SIGNED SIGNED

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, Appendix E	S/N 398577	Aircraft NS306/
Tested Per F.A.R. Part 43,	P/N 5934 P-3	W.O. 33572

DAT	E	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Entries must be entried Technician or Repair			
				S	Star Avionics,	Inc.		
				108	Nowlin Lane, Hai	ngar 21		
				C	Chattanooga, TN 3	7421		
				CRS#	TA4R537M (423)	499-1100		
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FAA Form 8130-3 (02-14)

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Star Aviation Services
108 Nowlin Lane, Hangar 21
Chattanooga, TN 37421
(423) 499-1100

Date: November 14, 2016

N53061

C-177RG

S/N: 177RG1334

Tach Time: 1876.42

les.

Performed annual inspection with the following repairs. Replaced right Nav light bulb P/N MS25309-7512, Ops check good. Installed a new right Nav light detector P/N 1221201,-4. Replaced one lower right side cowling rivet P/N AN426AD-4-3. Removed and replaced the engine throttle cable and rigged Per Cessna 177RG AMM. P/N 565-549-005 was installed, ops check normal. Serviced nose landing gear strut with Fluid and Nitrogen per C-177RG AMM. Re-rigged Rudder system I/A/W C-177RG AMM. Replaced the nose landing gear Fwd door attach bearings P/N S1896-4L1. Re-torqued leaking fuel supply line to the fuel strainer, No leaks noted. Replaced the plastic bumper on the nose landing gear door retraction rod. Replaced the cabin heat inlet duct using 18" of Scat 11. Removed and replaced all of the flap roller bearings and bushings, 12EA P/N 0523919 bushings, 10 Ea. P/N 0523921 Bearings and 2 Ea. P/N 0523920 Bearings. Flap operation normal. Replaced the right cabin door seal using new seal P/N S1817-1. Replaced the baggage door seal using new seal P/N R860059. Replaced broken nut plate for the baggage door hold open rod attachment, P/N 21053L10. Replaced the center console lower light bulb P/N 313. Repaired cracks in the nose landing gear fed door by fabricating inner doubler and riveting in place using standard procedures as outlined in the C-177 AMM Structural Repair Section 17-63B & AC43.13-1B for repair of bonded doors. Performed ELT Inspection per FAR 91.207, operational check was normal and battery replacement date is 12/2021. Replaced the MidContinent Electric attitude Indicator back up batter P/N 9015607 MFG date 10/2016, next replacement due 10/2019. C/W Cessna AD2011-10-09 seat rails & Seats by visual inspection with no discrepancies noted at this time, next due at Tach 1976.42 hrs or 11/2017. AD's checked thru this date. Aircraft was lubricated and serviced as needed.

I certify that this aircraft was inspection in accordance with the scope and detail as outlined in FAR 43 Appendix D and was found to be in a Airworthy condition with respect to the work performed and is approved for return to service.

Details are on file at Star Aviation services under W.O. # M6380P. For Star Aviation Services

Clinton E. Renner, Jr AP3418727IA

© 1991 ASA

DATE Star Avionics, Inc. Name, Rating and Certificate of 19\_ 108 Nowlin Lane, Hangar 21 es.) Chattanooga, TN 37421 CRS # TA4R537M (423) 499-1100 Date: November 14, 2016 N53061 S/N: 177RG1334 Tach: 1876.43 Customer reports Autopilot will not engage and will not pass PFT; troubleshot system, removed Autopilot Computer (P/N 01192-1-3T S/N 01192-1618-16592) from aircraft and sent to S-Tec for repair. Received computer from repair and reinstalled in aircraft; performed an operational check IAW S-Tec System 55X Autopilot Instructions for Continued Airworthiness (86240) Rev. B; system checked normal no faults found, closed all areas accessed. Details are on file at Star Avionics, Inc. under W.O. # 33808. Jeffrey K. Miller CRS# **YA4R537M** Star Avionics, Inc. 108 Nowlin Lane, Hangar 21 Chattanooga, TN 37421 CRS # TA4R537M (423) 499-1100 Date: November 15, 2016 N53061 S/N: 177RG1334 Tach: 1876.43 Installed Software Upgrade for GDL 88 Software Version 3.34 IAW Garmin Software Service Bulletin No.: 1647 Rev. A dated August 15, 2016; performed a GDL 88 Software Verification Procedure IAW above Service Bulletin, the GDL 88 (P/N 011-02369-00 S/N 22T005500) checked normal and is returned to service. Details are on file at Star Avionics, Inc. under W.O. # 33829.

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DATE 19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests Entries must be endorsed with Name, Ra Technician or Repair Facility. (See back p	s, Repairs and Alterating and Certificate Number ages for other specific or
	: February		CRS: N5:	Star Avionics, Inc.  8 Nowlin Lane, Hangar 21  Chattanooga, TN 37421  # TA4R537M (423) 499-1100  S/N: 177RG1334	Tach: 1915.41
unit, p Garm noted I certi airwon	performed bendin 500W Series at this time. fy that this aircordition.	ch check are some saft has be	nd configured in Manual (19) en inspected in	discrepancy, obtained configuration, and sent unit; reinstalled unit in aircraft and performed a 0-00357-02) Rev. L dated January 31, 2016, un accordance with the above manual and was detailed.	nd operational check IAW it checked normal no faults
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Detail				CRS# TAARES	M Jeffrey K. Miller

access to Roll Servo (P/N 0106-R2 S/N 00106-1013-26239CEFGJ) and removed from aircraft for repair. Received repaired servo and reinstalled in aircraft; performed an operational check IAW S-Tec System 55X Autopilot Instructions for Continued Airworthiness (86240) Rev. B; system checked normal no faults found at this time, closed all areas accessed.  I certify that this aircraft has been inspected in accordance with the above ICA and was determined to be in airworthy condition.  Details are on file at Star Avionics, Inc. under W.O. # 33853-1.	DATE  19	RECORDING TACH TIME	TODAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Altera Entries must be endorsed with Name, Rating and Certificate Numb Technician or Repair Facility. (See back pages for other specific en
Chattanooga, TN 37421 CRS # TA4R537M (423) 499-1100 Date: February 1, 2017 N53061 S/N: 177RG1334 Tach: 1915.41  Customer reports Autopilot wonders on GPS Approach and jerks yoke in strong crosswinds; troubleshot system, gaine access to Roll Servo (P/N 0106-R2 S/N 00106-1013-26239CEFGJ) and removed from aircraft for repair. Received repaired servo and reinstalled in aircraft; performed an operational check IAW S-Tec System 55X Autopilot Instructions for Continued Airworthiness (86240) Rev. B; system checked normal no faults found at this time, closed all areas accessed.  I certify that this aircraft has been inspected in accordance with the above ICA and was determined to be in airworthy condition.  Details are on file at Star Avionics, Inc. under W.O. # 33853-1.					Star Avionics, Inc.
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19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tentries must be endorsed with Name Technician or Repair Facility. (See b	e, Rating and Certificate Numback pages for other specific e
				Star Aviation Services 708 Nowlin Lane, Hangar 21	
				Chattanooga, TN 37421 (423) 499-1100	JUCM: 1812'41
	53061 eb 2017			177RG1334	Hobbs: 374.7
0511	ets with new	gaskets p	main tire p/n B1001	rie. Replaced door handle retaining cle for shimmy and balanced, reinstalled 142-1. Replaced wire connection to sw	d Replaced both fuel con
chec	Ked ok at thi	s time. ^	END*		nten for Nav Lights, OPS
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Description of Inspections, Tests, Repairs and Alterations TOTAL TODAYS RECORDING Entries must be endorsed with Name, Rating and Certificate Number of DATE TIME IN FLIGHT TACH Technician or Repair Facility. (See back pages for other specific entries.) SERVICE TIME 3867 Aviation Way Phone: 317-335-3371 Greenfield, IN 46140 Fax: 317-335-2073 Hobbs: Date: 3/20/2017 N53061 Aircraft Registration: 406.40 Removed and replaced nose tire tube with new Goodyear 302-013-400 5.00-5. Repacked wheel bearings and serviced tire with air. Balanced tire. This aircraft approved for return to service with respect to work performed. Eric M. Wilson AP3063927

Star Avionics, Inc.

108 Nowlin Lane, Hangar 21 Chattanooga, TN 37421

CRS # TA4R537M (423) 499-1100

Date: July 26, 2017

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S/N: 177RG1334 N53061

Hobbs: 450.8

Customer reports Autopilot will not pass PFT; troubleshot system and removed the S-Tec System 55X Autopilot Computer (P/N 01192-1-3T S/N 01192-1618-16592) from aircraft; installed an exchange Autopilot Computer (P/N 01192-1-3T S/N 01192-1309-15617) in aircraft, performed an operational check IAW S-Tec System 55X Instructions for Continued Airworthiness (86240) Rev. B; system checked normal no faults found at this time, closed all areas accessed.

Details are on file at Star Avionics, Inc. under W.O. # 33960.

Jeffrey K. Miller

DATE 19	REG TAG TIN		TODAYS	TOTAL TIME IN SERVICE	Description of Inspections,  Entries must be endorsed with Nam Technician or Repair Facility. (See Inspections)	ie. Rating and Certificate Nu
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					Chattanooga, TN 37421	
					(423) 499-1100	
1	4 Aug 20	17			N53061	Hobbs 450.8
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FAA	oroving Civil Aviation othority/Country: A/UNITED STATES		ORIZED RELEASI FAA Form 8130-3, AIRWORTHINES			E		cking Number:	
	ors, LLC 304 East Mu		wntown WI. 53522 (01MR357)	Y)				ract/ Invoice Number:	
6. Item:	7. Descrip	otion: 8. Part Number:			9. Quantity:		10. Serial/Batch Number: 11. Status/W		
1	Fuel Pu	mp		1			Overhauled		
(	Alternate Part In Certifies that the and in respect to Part-145 Approve	work specific	ed in blocks 11/12 was e component is conside	red	ready for relea	rdance se to s	with EASA Par service under E	t-145 ASA	
Approved des	the items identified above were maign data and are in a condition for design data specified in Dicek 12.		to:		Certifies that unless oth lescribed in Block 12 w	erwise spec as accompli	Other regulation specified in block 12, the work shed in accordance with to that work, the items ar	k identified in Block 11 and litle 14, Code of Federal	
3b. Authorized	Signature:		13c. Approval/Authorization No.:	14b.	Authorized Signature:	lasi		Approval/Certificate No.: 01MR357Y	
3d. Name (Type	ed or Princed):		13e. Date (dakmm/yyyy):		Name (Typed or Printed): erri Harvey		14e. D	ate (dd/mmm/yyyy): 27-Jan-2017	
	BUILDING AND		User/Installer Re						
Where the user/	installer performs work in accord	ance with the national reg	ulations of an airworthiness authority different	ian the	irworthiness authority of the	country specifi	ied in Block 1, it is essential that	the user/installer ensures that	

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

aircraft may be flown.

NSN: 0052-00-012-9005

DATE

19.



### **Peak Aviation**

1587 Aviation Way Colorado Springs, Colorado, 80916 N53061

Mechanic

Robert K Pickett

15

Airframe Maintenance Log Entry

ince Log Linery

FAA Cert

A&P 3710569 IA

		Total	Tach		
Entry	Date	Hours	Time	Hobbs	Description of Work Completed
EILLY	02/01/18	1995.5	1995.5	471.4	Performed an ANNUAL Inspection on airframe IAW Cessna Maintenance
					Manual Section 2, Revision 8, Dated Oct 2, 1995 and in accordance with the
					scope and detail of the FAR Title 14 Part 43 Appendix D Dated September 9
					2015. Inspected Elt in accordance with FAR 91.207. ELT Battery replacement
					due Dec, 2021. Completed AD 11-10-09 Seat rail/track assembly by visual
					inspection, Next due at annual or 2095.45 hours. Midcontinent Electric
					attitude backup indicator battery PN: 9015607 next due at 10/2019. All AD's
					current to this date. Lubricated and serviced aircraft as needed.

1

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION as per the aircraft manufacturer's inspection criteria and was determined to be in an AIRWORHTY condition.

That 14. Sout

ROCKY MOUNTS

ROCKY MOUNTAIN AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A Broomfield CO, 80021 Date: 10/10/2018 Acft Reg: N53061 Flight Tach: 517.0

Air frame

Removed nose strut and replaced seals with seals found in kit JMCNS1. Serviced strut with hydraulic fluid aircraft and swung gear 3 times, functional check is satisfactory. This aircraft is approved for return to service

Justin Parrow

A&P3083586

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Crest Aviation, LLC - Repair Station 4JKR099  11915 Airport Way Suite 1 Broomfield CO 80021 303.466.50  A/C: (2550-2) 177 N#53061 AC TOTAL TIME: HOBBS: \$15.2  Work Accomplished: 91.913  Altimeter Make/Model: Serial No.:  Static System and Altimeter have been tested to ft with reference CFR 91.411 and found to comply with the specifications of 14 CFR 43 App  Transponder Make/Model: Graymin GTX 327 Serial No.: 837382  Encoder Make/Model: Serial No.:  ATC Transponder System has been inspected with reference to 14 CFR 9 found to comply with the Specifications of 14 CFR Appendix F.  Tested by: Details on file under W.O.#1026	T	ECORDING TOU ACH IME	AYS TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteratenties must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entrespondents)
11915 Airport Way Suite 1 Broomfield CO 80021 303.466.50  A/C:Carring 177 N#\$3061 AC TOTAL TIME: — HOBBS: \$15.2  Work Accomplished: \$\text{91.413}\$  Altimeter Make/Model: Serial No.:  Static System and Altimeter have been tested to ft with refe  CFR 91.411 and found to comply with the specifications of 14 CFR 43 Ap  Transponder Make/Model: Serial No.: \$\text{837382}\$  Encoder Make/Model: Serial No.:  ATC Transponder System has been inspected with reference to 14 CFR 9 found to complywith the specifications of 14 CFR Appendix F.  Tested by:			Crest A	viation, LLC - Repair Station 4JKR099D
A/C:Cession 177 N#53061 AC TOTAL TIME: — HOBBS: \$15.2  Work Accomplished: 91.913  Altimeter Make/Model: — Serial No.: —  Static System and Altimeter have been tested to				
Work Accomplished: 91.413  Altimeter Make/Model: Serial No.:  Static System and Altimeter have been tested to ft with reference CFR 91.411 and found to comply with the specifications of 14 CFR 43 Approved Transponder Make/Model: Garmin GTX 327 Serial No.: 837382  Encoder Make/Model: Serial No.:  ATC Transponder System has been inspected with reference to 14 CFR 9 found to comply with the specifications of 14 CFR Appendix F.  Tested by:				
Static System and Altimeter have been tested to  CFR 91.411 and found to comply with the specifications of 14 CFR 43 Ap  Transponder Make/Model: Garmin GTX 327 Serial No.: 837382  Encoder Make/Model: Serial No.:   ATC Transponder System has been inspected with reference to 14 CFR 9 found to comply with the specifications of 14 CFR Appendix F.  Tested by: Tested			Work Accom	
Transponder Make/Model: Garmin GTX327 Serial No.: 837382  Encoder Make/Model: Serial No.: Serial No.: 837382  ATC Transponder System has been inspected with reference to 14 CFR 9 found to comply with the specifications of 14 CFR Appendix F.  Tested by: Tested by: Tested by: Serial No.: 837382			Altimeter M	/ake/Model: — Serial No.: —
Transponder Make/Model: Garmin GTX327 Serial No.: 837382  Encoder Make/Model: Serial No.:   ATC Transponder System has been inspected with reference to 14 CFR 9 found to comply with the specifications of 14 CFR Appendix F.  Tested by: Tested			Static System CFR 91.411	m and Altimeter have been tested to  ft with reference to  and found to comply with the specifications of 14 CFR 43 Appendix I
ATC Transponder System has been inspected with reference to 14 CFR 9 found to comply with the Specifications of 14 CFR Appendix F.  Tested by:				
Tested by:				ko/NAcdal.
Details on file under W.O.#1026			found to com  Tested by:	nder System has been inspected with reference to 14 CFR 91.413 and with the pecifications of 14 CFR Appendix F.
			Details on file	e under W.O.#1026
FORM# CA032				



11750 Airport Way Hanger B-12A Broomfield CO, 80021 Date: 3/20/2019

Acft Reg: N53061 Flight Tach: 2038.87

ACTT: 2038.87 AIRFRAME **Alterations** 

Number of ∋cific entries.)

Performed an Annual inspection in accordance with FAR 43 App (D) and Cessna checklist. Inspected and lubed as required all flight control surfaces, rod ends, chains and pulleys. C/W FAR 91.207 sub (D) ELT inspection.

Operational check was satisfactory at this time. **Batteries next due December 2021.** Replaced induction filter with BA-5705 filter. Replaced left and right MLG tires with (2) new 15/6.00-6 Air hawk tires and 15/6.00-6 Inner tubes. Replaced Landing light with new 01-0771833-25 lamp. Replaced taxi lamp with new 01-0771833-20 lamp.

Jacked aircraft and inspected landing gear, no defects found. Swung gear 3 fault free times and performed emergency extension, no defects found at this time. Replaced left elevator static with new ESD-1 wick. C/W AD-11-10-09 Seat track and pin engagement. Inspected visually and dimensionally, no defects found. **Next due at tach: 2138.87 or 12 months whichever occurs first.** Ground Run/Ops/Leak check all satisfactory at this time. I certify that this Airframe has been inspected in IAW an Annual inspection and has been found to be in airworthy condition and is approved for return to service at this time.———END-————

Justin C Parrow A&P3083586IA

A&P3083586IA

